

Appl. No. 10/658,754

Docket No.: 21398-00034

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A formaldehyde detecting material comprising:
a tabular base material containing silica gel,
and having impregnated therein;
at least in a gas reaction zone a coloring liquid containing 4-amino-4-phenyl-3-ene-2-one and a buffer;
wherein said gas reaction zone ~~being available for formaldehyde to react with said 4-amino-4-phenyl-3-ene-2-one~~ is for reacting said 4-amino-4-phenyl-3-ene-2-one with formaldehyde.
2. (previously presented) A formaldehyde detecting material according to claim 1, wherein said base material comprises a sheet formed by compressing particles of silica gel.
3. (original) A formaldehyde detecting material according to claim 1, in which said base material has a layer of silica gel at the surface thereof.
4. (previously presented) A formaldehyde detecting material according to claim 1, in which said base material comprises a sheet formed by depositing a mixture of fibers and silica gel particles.
5. (previously presented) A formaldehyde detecting material according to claim 1, in which said coloring liquid detecting material contains not less than 0.5 wt % 4-amino-4-phenyl-3-ene-2-one.
6. (previously presented) A formaldehyde detecting material according to claim 1, in which said buffer is provided by a phosphoric acid buffer solution.

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7. (previously presented) A formaldehyde detecting material according to claim 6 wherein said phosphoric acid buffer solution has a concentration of about 10 to 30 v/v %.
8. (previously presented) A formaldehyde detecting material according to claim 6 wherein said phosphoric acid buffer solution has a concentration of about 20 v/v %.
9. (previously presented) A formaldehyde detecting material according to claim 6 wherein said phosphoric acid buffer solution has a concentration of about 10 v/v %.
10. (previously presented) A formaldehyde detecting material according to claim 1 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 0.5 to 3 wt %.
11. (previously presented) A formaldehyde detecting material according to claim 1 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 0.5 wt %.
12. (previously presented) A formaldehyde detecting material according to claim 1 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 1 wt %.
13. (previously presented) A formaldehyde detecting material according to claim 8 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 0.5 to 3 wt %.
14. (previously presented) A formaldehyde detecting material according to claim 8 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 0.5 wt %.
15. (previously presented) A formaldehyde detecting material according to claim 8 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 1 wt %.
16. (previously presented) A formaldehyde detecting material according to claim 9 wherein the amount of the 4-amino-4-phenyl-3-ene-2-one is about 1 wt %.